

AEI 2017

Resilience of the
Integrated Building



Proceedings of the AEI 2017 Conference
April 11–13, 2017 | Oklahoma City, Oklahoma



EDITED BY

Jeffery S. Volz, Ph.D., P.E., S.E.



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Resilience of the Integrated Building

PROCEEDINGS OF THE ARCHITECTURAL ENGINEERING NATIONAL
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Preface

I welcome you to explore the Proceedings of the AEI Conference 2017, Resilience of the Integrated Building: A Community Focus. These proceedings represent the combined effort of more than 450 individuals and cover topics ranging from Architectural Engineering Education to Sustainability. With contributions from both academia and industry, the AEI Conference offers potential solutions to some of the most pressing problems confronting our industry.

We all live, work, and play within the built environment, and today's challenges require a diverse group of stakeholders working together to solve these problems. This conference brings together structural, mechanical, and electrical engineers, construction management professionals, and architects to work together on advanced strategies and state-of-the-art practices in building technology.

Focusing on resilience, the papers of these proceedings address Architectural Engineering Education, Building Codes, Building Electrical and Power Systems, Building Envelopes, Building Materials, Building Mechanical Systems, Building Security, Building Structural Systems, Community Planning for Resilience, Design and Construction Process and Management, Forensic Studies and Lessons Learned, Integrated Systems, Interior Design, and Sustainability.

I would like to personally thank all of the authors for their wonderful contributions to AEI 2017, as well as the many reviewers who offered constructive input and ideas to enhance the value of each manuscript. The diversity of ideas and approaches within these papers exemplifies the complex challenges and potential solutions within our industry. I invite you to explore these pages as I have.

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